

ACQUISITION CATEGORISATION (ACAT)

Taklimat ACAT



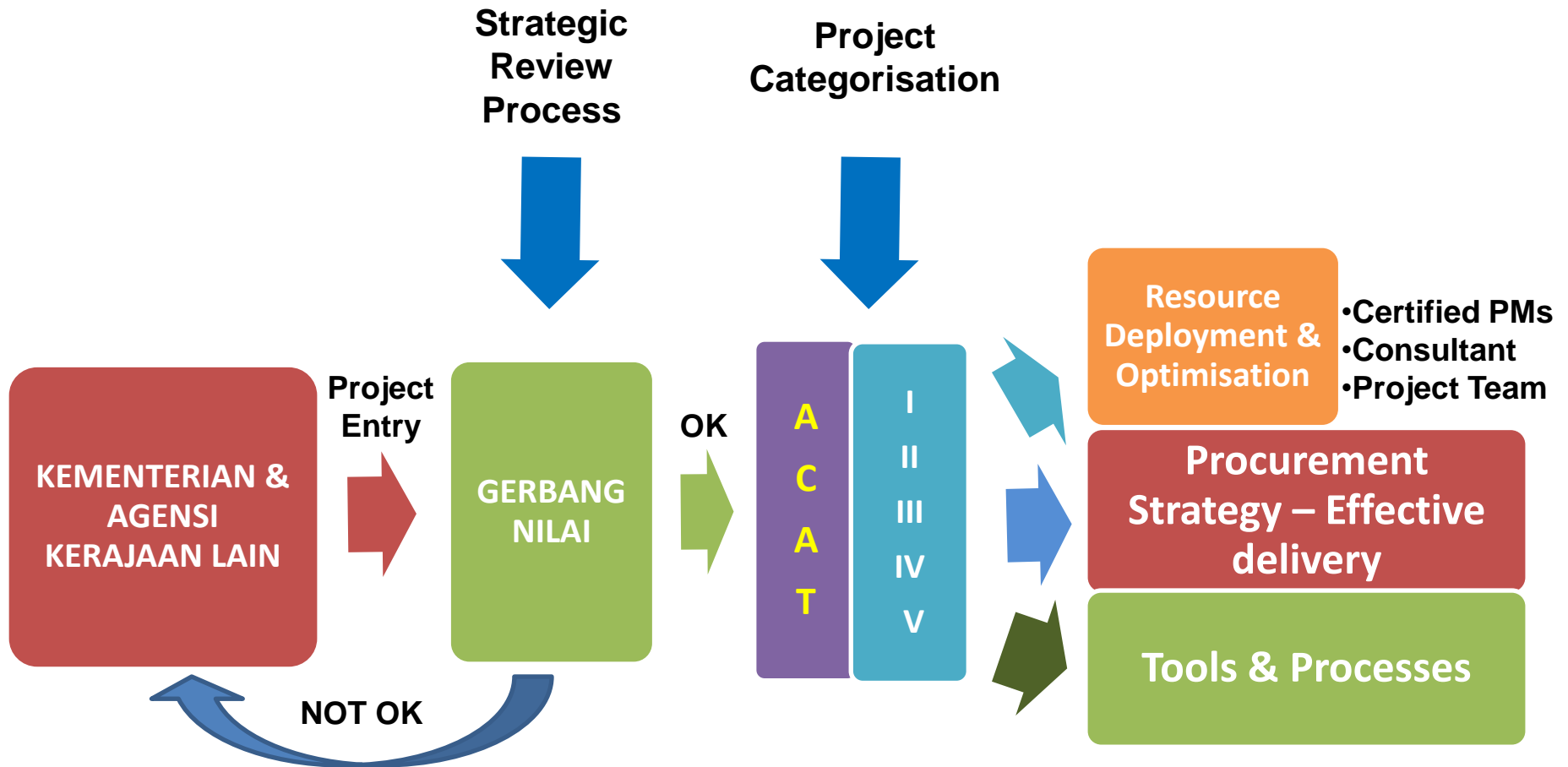
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What is ACAT?

- ✚ a methodology for categorising projects.
- ✚ align the complexity of projects with certified experience and competencies of project managers.



Why ACAT?

- ensure that projects are categorised in a **consistent and logical manner**.
- contribute to a common understanding of the **broad characteristics of projects**.
- enable appropriate project management **experience and competencies** to be applied to projects.

The ACAT Guideline consists of:

- Acquisition Category Definitions,
 - Project Decision Support Matrix, and
 - Categorisation Process.
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ACAT Definitions

● **ACAT I**

- major projects that are normally most strategically significant
- extensive project and schedule management complexity
- very high levels of technical difficulty, operating, support and commercial arrangements

● **ACAT II**

- major projects that are strategically significant
- significant project and schedule management complexity
- high levels of technical difficulty, operating, support arrangements and commercial arrangements

● **ACAT III**

- major or minor projects that have a moderate strategic significance
- traditional project and schedule management techniques
- moderate levels of technical difficulty, operating, support arrangements and commercial arrangements

ACAT Definitions

● **ACAT IV**

- major or minor projects that have a lower level of strategic significance
- traditional project and schedule management requirements
- lower levels of technical difficulty, operating, support arrangements and commercial arrangements.

● **ACAT V**

- minor projects acquisition that have a lower level of strategic significance
- traditional project and schedule management requirements
- very low levels of technical difficulty, operating, support arrangements and commercial arrangements

PROJECT DECISION SUPPORT MATRIX

ATTRIBTE COMPLEXITY LEVEL	ACQUISITION COST	PROJECT MANAGEMENT COMPLEXITY	SCHEDULE	TECHNICAL DIFFICULTY	OPERATION AND SUPPORT	INDUSTRY
5 [Very Low]	< RM10m					
4 [Low]	RM10m- RM100m					
3 [Moderate]	RM100m- RM300m					
2 [High]	RM300m- RM500m					
1 [Very High]	>RM500m					

SIX MAJOR ATTRIBUTES

1. **Acquisition Cost** include cost of:

- *system (i.e buildings, roads,
infrastructure and equipment),*
- *lands,*
- *constructions,*
- *consultants,*
- *management*
- *and facilities*

SIX MAJOR ATTRIBUTES

2. ***Project Management Complexity***

- *Complexity beyond that associated with traditional project management knowledge areas.*
- *Characterised by project execution environment which is:*
 - *Novel*
 - *Uncertain*
 - *Very high level political interaction*

SIX MAJOR ATTRIBUTES

3. ***Schedule***

- *Complexity brought about by schedule pressures on the project.*
- *Application of varying level of sophistication in schedule management*

SIX MAJOR ATTRIBUTES

4. *Technical Difficulty*

- *complexities which are associated with technical undertakings of:*
 - *design and development*
 - *location and logistic*
 - *construction/assembly*
 - *coordination/integration*
 - *test, commission and acceptance*
-

SIX MAJOR ATTRIBUTES

5. *Operation and Maintenance*

- *Complexity associated with the readiness of the organisation to operated and maintained.*

SIX MAJOR ATTRIBUTES

6. *Industry*

- *The capability of industry to deliver and support the required system/ equipment,*
- *The complexity of the commercial arrangements being managed including*
 - *the number of commercial arrangements*
 - *level of interdependency of commercial arrangement*

CATEGORISATION PROCESS

- but To determine ACAT Level is **not a science sound judgement** by persons having understanding of the characteristics of the project.
- The earlier in the project's lifecycle - the more susceptible are the assessments to change as the project progresses.
- It is important to make these judgements as accurately as possible because of the follow on implications.

CATEGORISATION PROCESS

ACAT SCORE CALCULATOR

Attribute	Very High	High	Medium	Low	Very Low	Raw Score	Weight	
Acquisition Cost	x					10	5	
Project Management Complexity		x				9	10	
Schedule		x				9	4	
Technical Difficulty		x				9	7	
Operations and Maintenance			x			7	5	
Industry			x			7	6	Normalised Score
Score						51	316	85
								ACAT II

RAW SCORE

	Very High	High	Medium	Low	Very Low
ACQUISITION COST	10	9	7	3	1
PROJECT MGMT COMPLEXITY	10	9	7	3	1
SCHEDULE	10	9	7	3	1
TECHNICAL DIFFICULTY	10	9	7	3	1
OPERATIONS & SUPPORT	10	9	7	3	1
COMMERTIAL	10	9	7	3	1

ACAT LEVEL SCORE

ACAT I	95	100
ACAT II	75	94
ACAT III	50	74
ACAT IV	30	49
ACAT V	10	29

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